INTERNATIONAL SEARCH REPORT

Intern I Application No PCT/JP2004/009782

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B27/10 G11E G11827/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G11B GOOF HOAN

Documentalion searched other than minimum documentation to the extent that such documents are included in the fields searched

. Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 496 228 B1 (DIMITROVA NEVENKA ET AL) 17 December 2002 (2002–12–17) paragraphs '0121! – '0133! paragraphs '0157! – '0163!	1-6, 15-27
Y		7-14
X	EP 1 278 134 A (PIONEER CORP) 22 January 2003 (2003-01-22) paragraphs '0120! - '0172!	1,25-27
x	US 2002/085116 A1 (SUGIMURA TOSHIAKI ET AL) 4 July 2002 (2002-07-04) paragraphs '0412! - '0426!	1-4, 25-27
Y	WO 99/51022 A (WILF ITZHAK; GREENSPAN HAYIT (IL); MENADEVA OVADYA (IL); MATE MEDIA A) 7 October 1999 (1999-10-07) page 26, line 8 - page 27, line 19	7-14

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. 2	Decial categories of cited documents:	
		٠٢٠
-A-	document defining the general state of the art which is not considered to be of particular relevance	
•Е·	earlier document but published on or after the international filing date	•x•
٩.	document which may throw doubte as an artists.	

Further documents are listed in the continuation of box C.

- ocument which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or Other means
- document published prior to the international filing date but , later than the priority date claimed

Date of the actual completion of the international search

16 November 2004 Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016

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Patent family members are listed in annex. later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family Date of mailing of the international search report

24/11/2004

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